

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.:

10/700,285

Confirmation No.: 4512

Applicant:

Katherine H. Cornog et al.

Filed:

November 3, 2003

For:

INTERPOLATION OF A SEQUENCE OF IMAGES USING

MOTION ANALYSIS

Art Unit:

2625

Examiner:

Yon Jung Couso

Docket No.:

A2000022D

Customer No.: 26643

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 2(, 2006.

Peter J. Gordon, Reg. No. 35,164

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Transmitted herewith for filing in the above patent application is a Transmittal Of Information Disclosure Statement, PTO Form SB-08A/B, and copies of references cited.

Please charge **Deposit Account No. 50-0876** in the amount of <u>\$180.00</u> IDS fee. The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to said Deposit Account.

Dated: April 21, 2006

Respectfully submitted.

Peter J. Gordon

Registration No. 35,164 Attorney for Applicant Avid Technology, Inc.

One Park West

Tewksbury, Massachusetts 01876

Tel. 978.640.6789

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ppl. No.:

10/700,285

Confirmation No.: 4512

Applicant:

Katherine H. Cornog et al.

Filed:

November 3, 2003

For:

INTERPOLATION OF A SEQUENCE OF IMAGES USING

MOTION ANALYSIS

Art Unit:

2625

Examiner:

Yon Jung Couso

Docket No.:

A2000022D

Customer No.: 26643

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 21, 2006.

Peter J. Gordon, Reg. No. 35,164

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT BEFORE MAILING DATE OF EITHER A FINAL ACTION OR NOTICE OF ALLOWANCE (37 CFR § 1.97 (c))

Transmitted herewith for filing in the above-entitled patent application is a PTO Form SB-08A/B and copies of references cited. The information disclosure statement is being filed before the mailing of either a final action under § 1.113, or a notice of allowance under § 1.311, whichever occurs first. Applicant requests consideration of the document.

Applicant submits the fee set forth in § 1.17(p). Please charge **Deposit Account No.** 50-0876 the amount of \$180.00 fee. The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to said Deposit Account.

Dated: April 21, 2006

04/26/2006 EAREGAY1 00000024 500876 10700285

01 FC:1806

180.00 DA

Peter J. Gørdon, Reg. No. 35,164 Attorney for Applicant

Avid Technology, Inc.

One Park West

Tewksbury, Massachusetts 01876

Tel. 978.640.6789

	61,	= 4	2055
(APR 2	5 200	g a
B	A TO	- 20	A ST
	A 1H	AFOI	ЕМ РТ

EORM PTO-SB/08A/B

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

APPLICANT: Katherine H. Comog et al.

FILING DATE: 11/03/2003

GROUP: 2625

SERIAL NO.: 10/700,285

U.S. PATENT DOCUMENTS

Exam Init.	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate

FOREIGN PATENT DOCUMENTS

Country & Doc. No. (11)	Pub. Date (43)	Applicant (71)	Class	Sub Class	Translation Yes No)

OTHER ART

(Including Author, Title, Date, Pertinent Pages, Publications, Etc.)

	Agrawala, Maneesh, et al., "Model-Based Motion Estimation for Synthetic Animations", ACM
	Multimedia 95 Electroni Proceedings, Nov. 5-9, 1995, pp. 1-25.*
	Barron, J.L., et al., "Performance of Optical Flow Techniques", IJCV 12:1, 1994, pp. 1-60.*
	Beauchemin, S.S., et al., "The Computation of Optical Flow", ACM Computing Surveys, vol. 27,
	No. 3, Sept. 1995, pp. 433-467.*
	Bergen, James R., et al., "Hierarchial Model-Based Motion Estimation", Proc. Euro. Conf. on
	Comp. Vision, Springer-Verlag, 1992, pp. 237-252.*
	Bergen, James R., et al., "Hierarchial Motion-Based Frame Rate Conversion", David Sarnoff
	Research Center, Princeton, NJ, April 1990, pp. 1-15.*
	Buxton, B.F., et al., "Computation of optic flow from the motion of edge features in image
1	sequences", Image and Vision Computing, vol. 2, no. 2, May 1984, pp. 59-75.*
	Chen, Shenchange Eric., et al., "View Interpolation for Image Synthesis", Proc. SIGGRAPH 1993, pp. 279-288.*
	Ezzat, Tony et al., "Visual Speech Synthesis by Morphing Visemes", Massachusetts Institute
	Of Technology, A.I. Memo No. 1658, CBCL Paper No. 173, May 1999, pp. 1-12.*
	Flomo Data Sheet, Time-warping software, Aug. 2000, 2 pages.*
	Gomes et al., "Time Warping of Audio Signals", in Proc. Comp. Graph. International (CGI 99),
	July 1999, pp. 52-57.*

^{*}References were cited in prior application, U.S. Patent No. 6,665,450.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publications, Etc.)

		,	
			Liu, Hongehe, et al., "Accuracy vs. Efficiency Trade-offs in Optical Flow Algorithms:, Proc. 4 th Eur.Conf. on Comp. Vision, Apr. 1996, vol. II, pp. 174-183.*
			Louchet, Jean, et al. "Building new tools for Synthetic Image Animation by using Evolutionary
			Techniques", Artificial Evolution '95. Proc. of the EA95 Workshop in Brest, France, Sept. 1995.*
			Lucas, Bruce, et al., "An Iterative image Registration Technique with an Application to Stereo
			Vision", Proc. 7 th Int'l. Jt.Conf. on Al, 1981, pp. 674-679.*
			Teodosio, Laura, et al., "Salient Video Stills: Content and Context Preserved", Proc. 1st Int'l Conf.
			on Multimedia, Aug. 1993, pp. 39-46.* Schodl, Arno, et al., "Video Textures", Proc. SIGGRAPH 2000, 2000, pp. 489-498.*
			School, Alno, et al., Video Textures, 110c. SIGGRAPH 2000, 2000, pp. 465-476.
			Bouthemy, P., "A Maximum Likelihood Framework for Determining Moving Edges", IEEE
			Transactions on Pattern Analysis and Machine Intelligence, Vol. II, May 1989, pp. 499-511.
			Marshall, David, "Optical Flow Printout", http://www.cs.cf.ac.uk/Dave/Vision_lecture/node45.html.
		 	
		 	
			
	 -		
			·
 		-	
1	i .	1	

^{*}References cited in prior application, U.S. Patent No. 6,665,450.